

Steel Suction Line Accumulators

U-Tube Style Accumulators – VA, PA and VPA Series

The U-tube accumulator design is a result of extensive laboratory testing of various designs. It takes into account essential requirements such as safe holding volume (relative to the system's total charge), protected flow control for positive refrigerant and oil return, and minimum pressure drop across the accumulator.

Parker offers standard accumulator models designed for application on heat pump and refrigeration systems from 1/4 ton (.88 kW) through 28.5 tons (100.2 kW). Liquid refrigerant holding requirements of suction accumulator may vary by application.

Features and Benefits

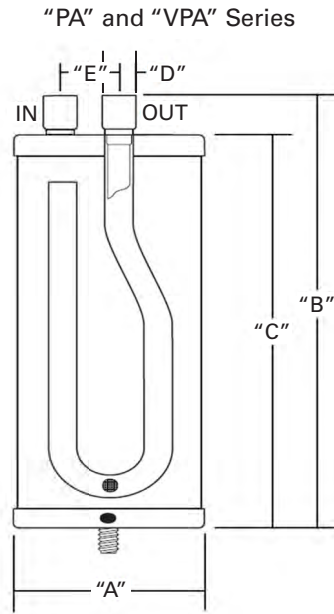
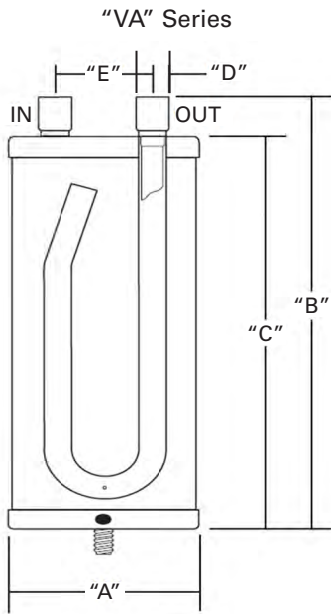
- Solid copper connections (except where noted in the following tables)
- U-tube design for maximum flow of refrigerant and minimum oil entrapment
- Inlet flow deflector guides refrigerant toward wall for smooth tangential flow and gradual expansion
- Baffled U-tube entrance is positioned behind the inlet flow deflector to prevent unwanted liquid refrigerant from entering and damaging compressor at all rated conditions
- Metering orifice matched to system capacity which optimizes liquid refrigerant and oil flow return back to compressor at all rated conditions
- Protective screen and orifice assembly on U-tube protects against contaminants affecting metering function
- Minimum pressure drop and Maximum refrigerant flow
- VA and VPA models are U.L. Listed for USA and Canada for 300 psig (20.7 bar) maximum working pressure under SA5764-SKXY/SKXY7
- PA models are U.L. Listed for USA and Canada for 355 psig (24.5 bar) maximum working pressure under SA5764-SKXY/SKXY7
- Powder coating surpasses 500 hour ASTM salt spray
- Integral 430°F (221°C) fuse plugs on larger models
- Compatible with CFC, HCFC and HFC refrigerants including R-22, R-134a, R-404A, R-407C, R-410A, R-500, R-502 and R-507



Dimensions and Flow Data

Refer to pages 6 through 10 for dimension values and flow data.

Dimensions



Dimensions

Catalog Number	Item Number	Unit Weight	"A" Diameter	"B" Overall Length	"C" Vessel Length	"D" Connection	"E" Fitting	"F" Oil Orifice	Internal Volume	Holding Capacities
		lbs. (KG)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Cu. Ft. (liters)	Ounces (liters)
VA304S ¹	470043	1.7 (0.8)	3 (76.0)	8-1/4 (210.0)	7-1/2 (191.0)	1/2 (12.7)	1-5/8 (41.0)	0.060 (1.5)	0.030 (0.85)	35 (1.02)
VA314S	470106	1.9 (0.9)	3 (76.0)	10-3/8 (264.0)	9-3/8 (238.0)	1/2 (12.7)	1-3/4 (44.0)	0.055 (1.4)	0.034 (0.96)	1.16 (39)
VA315S	470107	1.9 (0.9)	3 (76.0)	10-3/8 (264.0)	9-3/8 (238.0)	5/8 (15.9)	1-3/4 (44.0)	0.055 (1.4)	0.034 (0.96)	1.16 (39)
VA325S	470048	2.1 (1.0)	3 (76.0)	12-1/4 (311.0)	11-1/2 (292.0)	5/8 (15.9)	1-5/8 (41.0)	0.060 (1.5)	0.040 (1.13)	46 (1.36)
VA326S ¹	470136	2.1 (1.0)	3 (76.0)	12-5/8 (321.0)	11-1/2 (292.0)	3/4 (19.1)	1-5/8 (41.0)	0.060 (1.5)	0.040 (1.13)	46 (1.36)
VA355S	470049	2.7 (1.2)	3 (76.0)	15-1/16 (383.0)	13-3/4 (349.0)	5/8 (15.9)	1-5/8 (41.0)	0.055 (1.4)	0.051 (1.44)	59 (1.74)
VA356S	470093	2.7 (1.2)	3 (76.0)	15-1/16 (383.0)	13-3/4 (349.0)	3/4 (19.1)	1-5/8 (41.0)	0.055 (1.4)	0.051 (1.44)	59 (1.74)
VA445SRD ¹	470051	4.3 (2.0)	4 (102.0)	10-3/4 (273.0)	9-15/16 (252.0)	5/8 (15.9)	2-1/2 (64.0)	0.035 (0.9)	0.072 (2.04)	83 (2.45)
VA446SRD ¹	470094	4.3 (2.0)	4 (102.0)	10-5/8 (270.0)	9-3/4 (248.0)	3/4 (19.1)	2-1/2 (64.0)	0.055 (1.4)	0.072 (2.04)	83 (2.45)
PA4065-9-5C	960119	4.3 (2.0)	4 (102.0)	9-5/8 (244.0)	8-1/2 (216.0)	5/8 (15.9)	1-3/4 (44.0)	0.055 (1.4)	0.061 (1.73)	70 (2.08)
PA4065-9-6C	960120	4.3 (2.0)	4 (102.0)	9-5/8 (244.0)	8-1/2 (216.0)	3/4 (19.1)	1-3/4 (44.0)	0.055 (1.4)	0.061 (1.73)	70 (2.08)
VA546SRD	470052	5.2 (2.4)	5 (127.0)	9-5/8 (244.0)	8-1/2 (216.0)	3/4 (19.1)	2-3/4 (70.0)	0.063 (1.6)	0.09 (2.55)	104 (3.07)
VA547SRD	470054	5.2 (2.4)	5 (127.0)	9-3/4 (248.0)	8-1/2 (216.0)	7/8 (22.2)	2-3/4 (70.0)	0.063 (1.6)	0.09 (2.55)	104 (3.07)
VA557SRD	470055	7.0 (3.2)	5 (127.0)	10-3/4 (273.0)	9-1/2 (241.0)	7/8 (22.2)	3.0 (76.0)	0.055 (1.4)	0.11 (3.11)	127 (3.75)
VA566SRD	470056	7.9 (3.6)	5 (127.0)	12-3/4 (324.0)	11-5/8 (295.0)	3/4 (19.1)	2-3/4 (70.0)	0.063 (1.6)	0.13 (3.68)	150 (4.43)
VA567SRD	470058	7.9 (3.6)	5 (127.0)	13 (330.0)	11-3/4 (298.0)	7/8 (22.2)	2-3/4 (70.0)	0.063 (1.6)	0.13 (3.68)	150 (4.43)
VA577SRD	470059	8.1 (3.7)	5 (127.0)	14-5/8 (371.0)	13-3/8 (340.0)	7/8 (22.2)	2-3/4 (70.0)	0.063 (1.6)	0.14 (3.96)	161 (4.77)
VA579SRD	470060	8.1 (3.7)	5 (127.0)	14-13/16 (376.0)	13-3/8 (340.0)	1-1/8 (28.6)	2-3/4 (70.0)	0.063 (1.6)	0.14 (3.96)	161 (4.77)
VPA5896SRD	470110	5.1 (2.3)	5 (127.0)	9-5/8 (244.0)	8-5/16 (211.0)	3/4 (19.1)	1-3/4 (44.0)	0.055 (1.4)	0.085 (2.41)	98 (2.90)
VPA5897SRD	470111	4.9 (2.2)	5 (127.0)	9-5/8 (244.0)	8-1/8 (206.0)	7/8 (22.2)	1-3/4 (44.0)	0.055 (1.4)	0.083 (2.35)	96 (2.83)
VPA58116SRD	470112	6.8 (3.1)	5 (127.0)	11-5/16 (287.0)	10 (254.0)	3/4 (19.1)	1-3/4 (44.0)	0.055 (1.4)	0.103 (2.91)	119 (3.51)
VPA58117SRD	470069	6.0 (2.7)	5 (127.0)	11-5/16 (287.0)	9-13/16 (249.0)	7/8 (22.2)	1-3/4 (44.0)	0.055 (1.4)	0.101 (2.86)	116 (3.44)
VPA58127SRD	470070	7.7 (3.5)	5 (127.0)	12-7/8 (327.0)	11-3/8 (289.0)	7/8 (22.2)	1-3/4 (44.0)	0.055 (1.4)	0.117 (3.31)	135 (3.99)
VPA58157SRD	470115	8.4 (3.8)	5 (127.0)	15-3/8 (391.0)	13-13/16 (351.0)	7/8 (22.2)	1-3/4 (44.0)	0.055 (1.4)	0.143 (4.05)	165 (4.88)
VPA58177SRD	470116	9.6 (4.4)	5 (127.0)	17-1/4 (438.0)	15-3/4 (400.0)	7/8 (22.2)	1-3/4 (44.0)	0.055 (1.4)	0.163 (4.61)	188 (5.56)
VA599SRD	470062	8.4 (3.8)	5 (127.0)	18-3/8 (467.0)	16-15/16 (430.0)	1-1/8 (28.6)	2-3/4 (70.0)	0.063 (1.6)	0.18 (5.09)	207 (6.14)
VA5911SRD	470061	8.4 (3.8)	5 (127.0)	18-7/16 (468.0)	16-15/16 (430.0)	1-3/8 (34.9)	2-3/4 (70.0)	0.063 (1.6)	0.18 (5.09)	207 (6.14)
VA6107SRD ¹	470117	11.8 (5.4)	6 (152.0)	13-7/8 (352.0)	12-5/8 (321.0)	7/8 (22.2)	2-15/16 (75.0)	0.040 (1.0)	0.18 (5.09)	207 (6.14)
VA6109SRD¹	470118	11.8 (5.4)	6 (152.0)	14 (356.0)	12-5/8 (321.0)	1-1/8 (28.6)	2-15/16 (75.0)	0.040 (1.0)	0.18 (5.09)	207 (6.14)
VA6119SRD	470065	12.4 (5.6)	6 (152.0)	15-1/4 (387.0)	13-3/4 (349.0)	1-1/8 (28.6)	2-15/16 (75.0)	0.075 (1.9)	0.20 (5.66)	230 (6.82)
VA61111SRD¹	470063	12.4 (5.6)	6 (152.0)	15-1/4 (387.0)	13-3/4 (349.0)	1-3/8 (34.9)	2-15/16 (75.0)	0.060 (1.5)	0.20 (5.66)	230 (6.82)
VA61511SRD	470066	15.9 (7.2)	6 (152.0)	19-1/2 (495.0)	18 (457.0)	1-3/8 (34.9)	2-15/16 (75.0)	0.075 (1.9)	0.29 (8.21)	334 (9.89)
VA61613SRD¹	470068	16.3 (7.4)	6 (152.0)	21-7/8 (556.0)	20-1/4 (514.0)	1-5/8 (41.3)	2-15/16 (75.0)	0.060 (1.5)	0.30 (8.49)	346 (10.23)

Holding capacities stated for R-410A at 40°F (4°C).

Multiply holding capacity by 1.1 to obtain R-22 data at 40°F (4°C).

Multiply total system charge by 0.7 to obtain recommended maximum holding capacity for fixed orifice systems.

Multiply total system charge by 0.5 to obtain recommended maximum holding capacity for systems with TEVs.

Catalog numbers in bold font are available as standard wholesale offering.

¹These models have copper-plated steel connections. All other models have solid copper connections.

Flow Capacity

Catalog Number	Flow Capacity in Tons (kW)					
	Refrigerant 22					
	+40°F	(+4°C)	+20°F	(-6°C)	0°F	(-17°C)
VA304S ¹	2.0	(7.0)	1.3	(4.6)	0.9	(3.1)
VA314S	2.0	(7.0)	1.3	(4.6)	0.9	(3.1)
VA315S	3.0	(10.6)	2.0	(6.9)	1.3	(4.7)
VA325S	3.0	(10.6)	2.0	(6.9)	1.3	(4.7)
VA326S ¹	4.0	(14.1)	2.6	(9.2)	1.8	(6.2)
VA355S	3.0	(10.6)	2.0	(6.9)	1.3	(4.7)
VA356S	4.0	(14.1)	2.6	(9.2)	1.8	(6.2)
VA445SRD ¹	3.0	(10.6)	2.0	(6.9)	1.3	(4.7)
VA446SRD ¹	4.0	(14.1)	2.6	(9.2)	1.8	(6.2)
PA4065-9-5C	3.0	(10.6)	2.4	(8.4)	1.9	(6.7)
PA4065-9-6C	3.0	(10.6)	2.5	(8.8)	2.0	(7.0)
VA546SRD	4.0	(14.1)	2.6	(9.2)	1.8	(6.2)
VA547SRD	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VA557SRD	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VA566SRD	4.0	(14.1)	2.6	(9.2)	1.8	(6.2)
VA567SRD	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VA577SRD	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VA579SRD	11.8	(41.5)	7.7	(27.0)	5.2	(18.4)
VPA5896SRD	4.0	(14.1)	2.6	(9.1)	1.8	(6.3)
VPA5897SRD	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VPA58116SRD	7.5	(26.4)	5.0	(17.6)	3.4	(12.0)
VPA58117SRD	7.3	(25.7)	4.8	(16.9)	3.2	(11.3)
VPA58127SRD	6.3	(22.2)	4.5	(15.8)	3.0	(10.6)
VPA58157SRD	10.4	(36.6)	6.9	(24.3)	3.7	(13.0)
VPA58177SRD	11.2	(39.4)	7.4	(26.0)	4.9	(17.2)
VA599SRD	11.8	(41.5)	7.7	(27.0)	5.2	(18.4)
VA5911SRD	18.8	(66.1)	12.3	(43.1)	8.3	(29.3)
VA6107SRD ¹	7.3	(25.7)	4.8	(16.7)	3.2	(11.4)
VA6109SRD ¹	11.8	(41.5)	7.7	(27.0)	5.2	(18.4)
VA61111SRD ¹	18.8	(66.1)	12.3	(43.1)	8.3	(29.3)
VA61511SRD	18.8	(66.1)	12.3	(43.1)	8.3	(29.3)
VA61613SRD ¹	28.5	(100.2)	18.6	(65.3)	12.6	(44.5)

Factors For Other Ratings

Evaporator Temperature	-20°F (-28°C)	-40°F (-40°C)
X Factor	0.28	0.18

To find the capacity for -20°F (-28°C) and -40°F (-40°C) evaporator temperatures in tons, multiply the 40°F (4°C) evaporator temperature by the X factor.

To find the minimum capacity in tons, multiply the 40°F (4°C) rating by 0.15.

Maximum recommended tons based on pressure drop through the accumulator equal to 1.0°F (-17°C) temperature drop.

Notes:

1. Minimum recommended tons should be no less than 15% of recommended tons to ensure positive oil return.
2. All data based on actual tons and is not related to horsepower.
3. Minimum evaporator temperature: -40°F (4°C). Minimum suction gas temperature through the accumulator: +10°F (-12°C). For operating conditions not within the rating data, please contact Parker before proceeding with installation.

Flow Capacity

Catalog Number	Flow Capacity in Tons (kW)											
	Refrigerant 502						Refrigerant 134a					
	+40°F	(+4°C)	+20°F	(-6°C)	0°F	(-17°C)	+40°F	(+4°C)	+20°F	(-6°C)	0°F	(-17°C)
VA304S ¹	1.3	(4.5)	0.8	(2.9)	0.5	(1.9)	1.3	(4.5)	0.9	(3.0)	0.5	(1.8)
VA314S	1.3	(4.5)	0.8	(2.9)	0.5	(1.9)	1.3	(4.5)	0.9	(3.0)	0.5	(1.8)
VA315S	1.9	(6.8)	1.2	(4.3)	0.8	(2.8)	1.9	(6.7)	1.3	(4.5)	0.8	(2.8)
VA325S	1.9	(6.8)	1.2	(4.3)	0.8	(2.8)	1.9	(6.7)	1.3	(4.5)	0.8	(2.8)
VA326S ¹	2.6	(9.1)	1.6	(5.7)	1.1	(3.8)	2.5	(8.9)	1.7	(6.0)	1.0	(3.7)
VA355S	1.9	(6.8)	1.2	(4.3)	0.8	(2.8)	1.9	(6.7)	1.3	(4.5)	0.8	(2.8)
VA356S	2.6	(9.1)	1.6	(5.7)	1.1	(3.8)	2.5	(8.9)	1.7	(6.0)	1.0	(3.7)
VA445SRD ¹	1.9	(6.8)	1.2	(4.3)	0.8	(2.8)	1.9	(6.7)	1.3	(4.5)	0.8	(2.8)
VA446SRD ¹	2.6	(9.1)	1.6	(5.7)	1.1	(3.8)	2.5	(8.9)	1.7	(6.0)	1.0	(3.7)
PA4065-9-5C	2.2	(7.7)	1.8	(6.3)	1.6	(5.6)	2.5	(8.8)	1.6	(5.6)	1.4	(4.9)
PA4065-9-6C	2.2	(7.7)	1.9	(6.7)	1.7	(5.9)	2.5	(8.8)	1.7	(5.9)	1.5	(5.3)
VA546SRD	2.6	(9.1)	1.6	(5.7)	1.1	(3.8)	2.5	(8.9)	1.7	(6.0)	1.0	(3.7)
VA547SRD	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VA557SRD	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VA566SRD	2.6	(9.1)	1.6	(5.7)	1.1	(3.8)	2.5	(8.9)	1.7	(6.0)	1.0	(3.7)
VA567SRD	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VA577SRD	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VA579SRD	7.6	(26.7)	4.8	(16.9)	3.2	(11.1)	7.5	(26.4)	5.0	(17.7)	3.1	(10.9)
VPA5896SRD	2.6	(9.1)	1.6	(5.6)	1.1	(4.0)	2.5	(8.8)	1.7	(6.0)	1.0	(3.5)
VPA5897SRD	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VPA58116SRD	4.7	(16.5)	3.0	(10.6)	2.0	(7.0)	4.6	(16.2)	3.1	(10.9)	1.9	(6.7)
VPA58117SRD	4.5	(15.8)	2.8	(9.8)	1.8	(6.3)	4.4	(15.5)	2.8	(9.8)	1.7	(6.0)
VPA58127SRD	4.6	(16.2)	2.9	(10.2)	1.9	(6.7)	4.5	(15.8)	2.9	(10.2)	1.8	(6.3)
VPA58157SRD	4.8	(16.9)	3.2	(11.3)	2.2	(7.7)	4.7	(16.5)	3.2	(11.3)	2.0	(7.0)
VPA58177SRD	6.6	(23.2)	4.8	(16.9)	3.2	(11.3)	7.5	(26.4)	5.0	(17.6)	3.1	(10.9)
VA599SRD	7.6	(26.7)	4.8	(16.9)	3.2	(11.1)	7.5	(26.4)	5.0	(17.7)	3.1	(10.9)
VA5911SRD	12.1	(42.6)	7.7	(27.0)	5.1	(17.8)	12.0	(42.1)	8.0	(28.2)	4.9	(17.3)
VA6107SRD ¹	4.7	(16.5)	3.0	(10.5)	2.0	(6.9)	4.6	(16.3)	3.1	(11.0)	1.9	(6.7)
VA6109SRD ¹	7.6	(26.7)	4.8	(16.9)	3.2	(11.1)	7.5	(26.4)	5.0	(17.7)	3.1	(10.9)
VA61111SRD ¹	12.1	(42.6)	7.7	(27.0)	5.1	(17.8)	12.0	(42.1)	8.0	(28.2)	4.9	(17.3)
VA61511SRD	12.1	(42.6)	7.7	(27.0)	5.1	(17.8)	12.0	(42.1)	8.0	(28.2)	4.9	(17.3)
VA61613SRD ¹	18.4	(64.6)	11.6	(40.9)	7.7	(26.9)	18.1	(63.8)	12.2	(42.8)	7.5	(26.2)

Factors For Other Ratings

Evaporator Temperature	-20°F (-28°C)	-40°F (-40°C)
X Factor	0.28	0.18

To find the capacity for -20°F (-28°C) and -40°F (-40°C) evaporator temperatures in tons, multiply the 40°F (4°C) evaporator temperature by the X factor.

To find the minimum capacity in tons, multiply the 40°F (4°C) rating by 0.15.

Maximum recommended tons based on pressure drop through the accumulator equal to 1.0°F (-17°C) temperature drop.

Notes:

1. Minimum recommended tons should be no less than 15% of recommended tons to ensure positive oil return.
2. All data based on actual tons and is not related to horsepower.
3. Minimum evaporator temperature: -40°F (4°C). Minimum suction gas temperature through the accumulator: +10°F (-12°C). For operating conditions not within the rating data, please contact Parker before proceeding with installation.

Flow Capacity

Catalog Number	Flow Capacity in Tons (kW)											
	Refrigerant 407C						Refrigerant 404A/507C					
	+40°F	(+4°C)	+20°F	(-6°C)	0°F	(-17°C)	+40°F	(+4°C)	+20°F	(-6°C)	0°F	(-17°C)
VA304S ¹	1.9	(6.7)	1.2	(4.2)	0.8	(2.8)	1.4	(4.8)	0.8	(2.9)	0.6	(1.9)
VA314S	1.9	(6.7)	1.2	(4.2)	0.8	(2.8)	1.4	(4.8)	0.8	(2.9)	0.6	(1.9)
VA315S	2.8	(10.0)	1.8	(6.4)	1.2	(4.2)	2.0	(7.2)	1.3	(4.4)	0.8	(2.9)
VA325S	2.8	(10.0)	1.8	(6.4)	1.2	(4.2)	2.0	(7.2)	1.3	(4.4)	0.8	(2.9)
VA326S ¹	3.8	(13.4)	2.4	(8.5)	1.6	(5.6)	2.7	(9.6)	1.7	(5.9)	1.1	(3.9)
VA355S	2.8	(10.0)	1.8	(6.4)	1.2	(4.2)	2.0	(7.2)	1.3	(4.4)	0.8	(2.9)
VA356S	3.8	(13.4)	2.4	(8.5)	1.6	(5.6)	2.7	(9.6)	1.7	(5.9)	1.1	(3.9)
VA445SRD ¹	2.8	(10.0)	1.8	(6.4)	1.2	(4.2)	2.0	(7.2)	1.3	(4.4)	0.8	(2.9)
VA446SRD ¹	3.8	(13.4)	2.4	(8.5)	1.6	(5.6)	2.7	(9.6)	1.7	(5.9)	1.1	(3.9)
PA4065-9-5C	2.9	(10.2)	2.5	(8.8)	2.3	(8.0)	3.0	(10.6)	2.4	(8.4)	1.9	(6.7)
PA4065-9-6C	2.9	(10.2)	2.6	(9.1)	2.3	(8.0)	3.0	(10.6)	2.5	(8.8)	2.0	(7.0)
VA546SRD	3.8	(13.4)	2.4	(8.5)	1.6	(5.6)	2.7	(9.6)	1.7	(5.9)	1.1	(3.9)
VA547SRD	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VA557SRD	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VA566SRD	3.8	(13.4)	2.4	(8.5)	1.6	(5.6)	2.7	(9.6)	1.7	(5.9)	1.1	(3.9)
VA567SRD	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VA577SRD	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VA579SRD	11.2	(39.4)	7.1	(25.0)	4.7	(16.6)	8.1	(28.3)	4.9	(17.3)	3.3	(11.5)
VPA5896SRD	3.8	(13.4)	2.4	(8.4)	1.6	(5.6)	2.7	(9.5)	1.7	(6.0)	1.1	(3.9)
VPA5897SRD	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VPA58116SRD	6.9	(24.3)	4.4	(15.5)	2.9	(10.2)	5.0	(17.6)	3.0	(10.6)	2.0	(7.0)
VPA58117SRD	6.5	(22.9)	4.2	(14.8)	2.5	(8.8)	4.7	(16.5)	2.8	(9.8)	1.8	(6.3)
VPA58127SRD	6.8	(23.9)	4.3	(15.1)	2.8	(9.8)	4.8	(16.9)	2.8	(9.8)	1.8	(6.3)
VPA58157SRD	7.0	(24.6)	4.6	(16.2)	3.2	(11.3)	5.2	(18.3)	3.2	(11.3)	2.2	(7.7)
VPA58177SRD	12.1	(42.6)	8.0	(28.1)	5.6	(19.7)	9.0	(31.7)	5.8	(20.4)	4.1	(14.4)
VA599SRD	11.2	(39.4)	7.1	(25.0)	4.7	(16.6)	8.1	(28.3)	4.9	(17.3)	3.3	(11.5)
VA5911SRD	17.8	(62.7)	11.3	(39.9)	7.5	(26.4)	12.8	(45.2)	7.8	(27.6)	5.2	(18.3)
VA6107SRD ¹	6.9	(24.4)	4.4	(15.5)	2.9	(10.3)	5.0	(17.5)	3.0	(10.7)	2.0	(7.1)
VA6109SRD ¹	11.2	(39.4)	7.1	(25.0)	4.7	(16.6)	8.1	(28.3)	4.9	(17.3)	3.3	(11.5)
VA61111SRD ¹	17.8	(62.7)	11.3	(39.9)	7.5	(26.4)	12.8	(45.2)	7.8	(27.6)	5.2	(18.3)
VA61511SRD	17.8	(62.7)	11.3	(39.9)	7.5	(26.4)	12.8	(45.2)	7.8	(27.6)	5.2	(18.3)
VA61613SRD ¹	27.0	(95.1)	17.2	(60.4)	11.4	(40.1)	19.5	(68.4)	11.9	(41.8)	7.9	(27.7)

Factors For Other Ratings

Evaporator Temperature	-20°F (-28°C)	-40°F (-40°C)
X Factor	0.28	0.18

To find the capacity for -20°F (-28°C) and -40°F (-40°C) evaporator temperatures in tons, multiply the 40°F (4°C) evaporator temperature by the X factor.

To find the minimum capacity in tons, multiply the 40°F (4°C) rating by 0.15.

Maximum recommended tons based on pressure drop through the accumulator equal to 1.0°F (-17°C) temperature drop.

Notes:

1. Minimum recommended tons should be no less than 15% of recommended tons to ensure positive oil return.
2. All data based on actual tons and is not related to horsepower.
3. Minimum evaporator temperature: -40°F (-40°C). Minimum suction gas temperature through the accumulator: +10°F (-12°C). For operating conditions not within the rating data, please contact Parker before proceeding with installation.